



**Sterne Kessler  
Goldstein Fox**

ATTORNEYS AT LAW

Robert Greene Sterne  
Edward J. Kessler  
Jorge A. Goldstein  
David K.S. Cormwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Alcorn  
Robert C. Millonig  
Donald J. Featherstone  
Timothy J. Shea, Jr  
Michael V. Messinger  
Judith U. Kim

Patrick E. Garrett  
Jeffrey T. Helvey  
Heidi L. Kraus  
Eldora L. Ellison  
Thomas C. Fiala  
Albert L. Ferro  
Donald R. Banowitz  
Peter A. Jackman  
Jeffrey S. Weaver  
Kendrick P. Patterson  
Vincent L. Capuano  
Brian J. Del Buono  
Virgil Lee Beaston  
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Elizabeth J. Haanes  
Joseph S. Ostroff  
Frank R. Cottingham  
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Tracy L. Muller  
Jon E. Wright  
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Aric W. Ledford  
Helene C. Carlson  
Cynthia M. Bouchez  
Timothy A. Doyle  
Gaby L. Longsworth  
Lori A. Gordon  
Nicole D. Dietar  
Ted J. Ebersole  
Laura A. Vogel  
Michael J. Mancuso  
Bryan S. Wade  
Aaron L. Schwartz

Shannon A. Carroll\*  
Wesley W. Jones\*  
Matthew E. Kelley\*  
Michelle K. Holoubek\*  
Marsha A. Rose\*

**Registered Patent Agents\***

Karen R. Markovitz  
Nancy J. Leith  
Matthew J. Dowd  
Katrina Yujian Pei Quach  
Bryan L. Skelton  
Robert A. Schwartzman  
Teresa A. Colella  
Victoria S. Rutherford  
Simon J. Elliott  
Julie A. Heider  
Mita Mukherjee

Scott M. Woodhouse  
Christopher J. Walsh  
Liliana Di Nola-Baron  
Peter A. Socarras  
Jeffrey Mills

**Of Counsel**

Kenneth C. Bass III  
Marvin C. Guthrie

\*Admitted only in Maryland  
+Admitted only in Virginia  
•Practice Limited to Federal Agencies

December 21, 2005

**WRITER'S DIRECT NUMBER:**  
(202) 772-8514

**INTERNET ADDRESS:**  
[LACORN@SKGF.COM](mailto:LACORN@SKGF.COM)

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 1722**

**Mail Stop Amendment**

Re: U.S. Utility Patent Application  
Application No. 10/777,643; Filed: February 13, 2004  
For: **Valve Gated Injection Molding System With Independent Flow Control**  
Inventors: Babin *et al.*  
Our Ref: 2107.0580001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. First Supplemental Information Disclosure Statement;
2. Form PTO/SB/08A (2 pages) and Form PTO/SB/08B (1 page) listing cited documents;
3. Copies of cited documents: BA5-BG5 and CH1; and
4. One (1) return postcard.

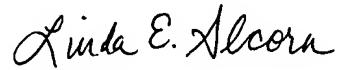
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
December 21, 2005  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Linda E. Alcorn  
Attorney for Applicants  
Registration No. 39,588

LEA/PAS/shr  
Enclosures

SKGF\_473463.1



In re application of:  
Babin *et al.*  
Appl. No.: 10/777,643  
Filed: February 13, 2004  
**For: Valve Gated Injection Molding System With Independent Flow Control**

Confirmation No.: 5386  
Art Unit: 1722  
Examiner: Heitbrink, Timothy W.  
Atty. Docket: 2107.0580001

### First Supplemental Information Disclosure Statement

#### *Mail Stop Amendment*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Information Disclosure Statement filed on August 6, 2004 in connection with the above-captioned application.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).

4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
  - b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office

is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

- 6. English language abstracts of the non-English language documents BA5 and BC5 are enclosed in accordance with 37 C.F.R. § 1.98(a)(3). A translation of the non-English language document BB5 is enclosed.
- 7. Copies of documents BA5-BG5 and CH1 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached IDS Forms are submitted.
- 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- 9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). none in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

*Linda E. Alcorn*

Linda E. Alcorn  
Attorney for Applicants  
Registration No. 39,588

Date: December 21, 2005

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

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Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/777,643
Filing Date	February 13, 2004
First Named Inventor	Denis Babin
Art Unit	1722
Examiner Name	Heitbrink, Timothy W.

Attorney Docket Number 2107.0580001

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA5	3,417,433		12-24-1968	Teraoka	
AB5	3,861,841		01-21-1975	Hanning	
AC5	4,657,496		04-14-1987	Ozeki et al.	
AD5	4,717,324		01-05-1988	Schad et al.	
AE5	5,028,226		07-02-1991	De'ath et al.	
AF5	5,043,129		08-27-1991	Sorensen	
AG5	5,143,733		09-01-1992	Von Buren et al.	
AH5	5,200,207		04-06-1993	Akselrud et al.	
AI5	5,200,527		04-06-1993	Griffiths et al.	
AJ5	5,223,275		06-29-1993	Gellert	
AK5	5,454,995		10-03-1995	Rusconi et al.	
AL5	5,582,851		12-10-1996	Hofstetter et al.	
AM5	5,650,178		07-22-1997	Bemis et al.	
AN5	5,814,358		09-29-1998	Bock	
AOS	5,891,381		04-06-1999	Bemis et al.	
AP5	5,894,023		04-13-1999	Schramm et al.	
AQ5	5,935,614		08-10-1999	Blank et al.	
AR5	6,699,422		03-02-2004	Stemke	
AS5	6,903,750		06-07-2005	Sidwell	

**FOREIGN PATENT DOCUMENTS**

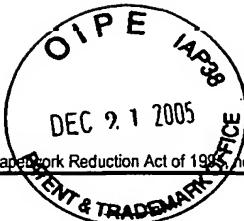
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
BA5	JP 4-348923		12-03-1992	Mitsubishi Materials Corp.		
BB5	CN 2527427Y		12-25-2002	Shi Xiaoang		X
BC5	JP 5-104580		04-27-1993	Nat'l Aerospace Lab, et al.		
BDS	EP 0 393 389 B1		10-24-1990	Husky Injection Molding Systems, Ltd.		
BES	EP 1 426 160 A1		06-09-2004	Mold-Masters Limited		
BF5	EP 1 447 200 A2		08-18-2004	Mold -Masters Limited		
BG5	WO 03/057448 A1		07-17-2003	Synventive Molding Solutions		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	2	of	3
		Application Number	10/777,643
		Filing Date	February 13, 2004
		First Named Inventor	Denis Babin
		Art Unit	1722
		Examiner Name	Heitbrink, Timothy W.
		Attorney Docket Number	2107.0580001

## **FOREIGN PATENT DOCUMENTS**

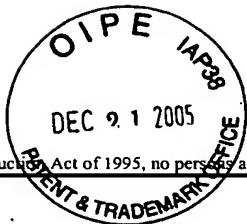
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PTO/SB/08B (07-05)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/777,643
				Filing Date	February 13, 2004
				First Named Inventor	Denis Babin
				Art Unit	1722
				Examiner Name	Heitbrink, Timothy W.
Sheet	3	of	3	Attorney Docket Number	2107.0580001

## NON-PATENT LITERATURE DOCUMENTS

SKGF\_472732.1

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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